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wherein the medium includes fields for specifying an identification of the machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine, the user-profile information being specified in an hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure.

11. A method for compiling and maintaining information for use in routing and transmitting content to a machine via a network by specifying particular fields within a computer-readable medium, comprising:

receiving information for use in generating a user profile;

specifying in the medium, using the information, an identification of a machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine; and

storing the user-profile information in an hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure.

26. A method of accessing information for use in routing and transmitting content to a machine via a network, comprising:

establishing a network connection from a machine;

accessing via the network connection an hierarchical attribute value pair data structure stored in a computer-readable medium, the hierarchical attribute value pair data structure further

comprising a data structure wherein the attribute value pair is independent of the hierarchical structure; and

transmitting information via the network connection for specifying in the data structure an identification of the machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine.

32. An apparatus for accessing information for use in routing and transmitting content to a machine via a network, comprising:

a network module for establishing a network connection from a machine;

an access module for accessing via the network connection an hierarchical attribute value pair data structure stored in a computer-readable medium, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure; and

a transmit module for transmitting information via the network connection for specifying in the data structure an identification of the machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine.

82. An apparatus for compiling and maintaining information for use in routing and transmitting content to a machine via a network:

a means for receiving information for use in generating a user profile;

a means for specifying in the medium, based on the information received, a machine, an address associated with the machine, and user-profile information for use in determining a type of content to transmit to the machine; and

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a means for storing the user-profile information in an hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure.

106. A computer-readable medium containing programming instructions for controlling a computer system which routes and transmits content to a machine via a network, by:

receiving information for use in generating a user profile;

specifying, using the information, an identification of a machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine; and

storing the user-profile information in an hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure.

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130. A computer-readable medium containing programming instructions which control a computer system, the computer system being used to route and transmit content to a machine via a network, by:

establishing a network connection to a machine;

accessing via the network, a hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure; and

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transmitting information, via the network connection, which specifies an identification of the machine in the data structure, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine.

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136. An apparatus for accessing information for use in routing and transmitting content to a machine via a network, comprising:

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- a means for establishing a network connection to a machine;
- a means for accessing, via the network connection, a hierarchical attribute value pair data structure stored in a computer-readable medium, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure; and
- a means for transmitting information via the network, wherein the information is specified in the data structure and includes an address of the machine and user-profile information; wherein the user-profile information is used to determine a type of content to transmit to the machine.

REMARKS

Claims 1-141 are pending in the application. Applicants have amended independent claims 1, 11, 26, 32, 82, 106, 130, and 136. No new matter has been added.

Request for Withdrawal of Final Rejection

Applicants have enclosed a request under MPEP § 706.07(c) for withdrawal of the final rejection as being premature. As described in the enclosed request, the Examiner has imposed a new ground of rejection that was neither necessitated by Applicants' amendment nor based on information submitted in an information disclosure statement filed during the period set forth in 37 CFR § 1.97(c) with the fee set forth in 37 CFR § 1.17(p). See MPEP § 706.07(a). Applicants